

ABSTRACT OF THE DISCLOSURE

A process for the manufacture of a part with very high mechanical properties, formed by stamping of a strip of rolled steel sheet and more particularly hot rolled and coated with a metal or metal alloy ensuring protection of the surface and the steel, whereby :

5 - the steel sheet is cut to obtain a steel sheet blank,

 - the steel sheet blank is stamped to obtain the part,

 - an alloyed intermetallic compound is applied to the surface, before or after the stamping, ensuring protection against corrosion, against steel decarburization, which intermetallic

10 compound may provide a lubrication function,

 - the excess material from the steel sheet required for the stamping operation is trimmed.